

# PESSSES CHEMICAL COMPANY TEXAS

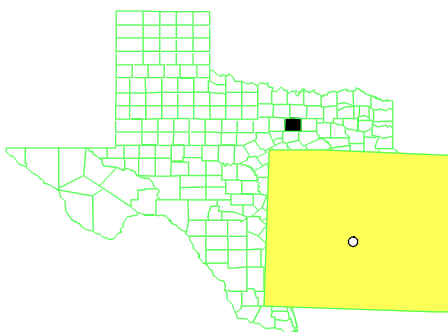
EPA ID# TXD980699656

**EPA REGION 6**  
CONGRESSIONAL DISTRICT

12

Tarrant County

Updated:06/22/00



## Site Description

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**Location:** ! 2301 South Main Street, Fort Worth, Tarrant County, Texas.

**Population:** ! Approximately 19,500 people live or work within one-mile of the former Site.

**Setting:**

- ! The nearest residence is ½ mile east of the former Site.
- ! The nearest drinking water well is 1.4 miles south of the former Site.
- ! A hospital and five schools are located within one mile of the former Site.
- ! The former Site area is approximately 4.2 acres, and it is surrounded by light industry.
- ! The former Site soil was contaminated by cadmium sludge/powder to a depth of approximately two to three feet.
- ! Remediation of the former Site is complete; wastes are stabilized and under an onsite concrete cap.
- ! Protection of human health has been achieved.
- ! The former Site was deleted from the NPL on September 28, 1995.

**Hydrogeology:**

- ! The former Site was situated over the Paluxy Formation, a drinking water aquifer for the City of Fort Worth.
- ! Area soils are a silty clay and clay loam types.

## Wastes and Volumes

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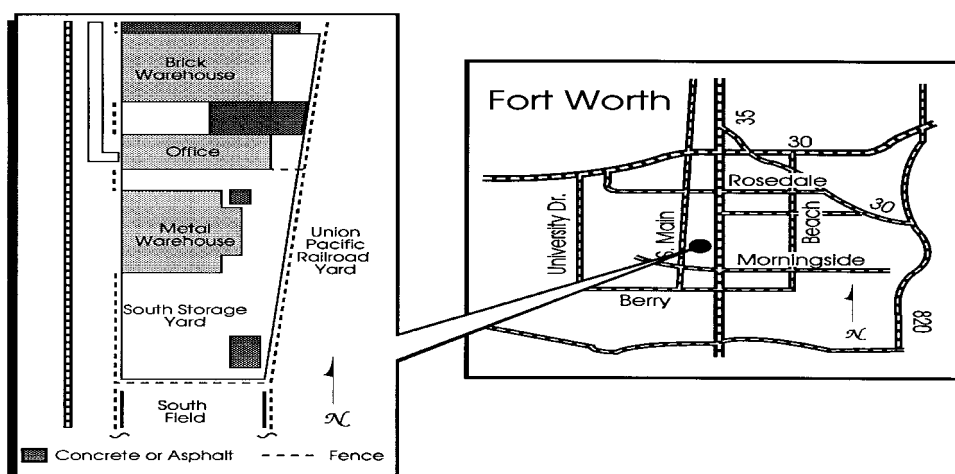
- ! The principal pollutants at the Pesses Site were heavy metals, such as cadmium, lead, copper, and nickel, in the form of sludge mixed with surface soil.
- ! Leaching of contaminants into ground water was unlikely due to the low permeability of area soils and clay lenses over the Paluxy Aquifer.
- ! The maximum measured concentration of cadmium was 19,300 parts per million (ppm).
- ! In the Record of Decision, the volume of Site wastes was estimated to be 10,800 cubic yards.

## Site Assessment and Ranking

### NPL LISTING HISTORY

Site HRS Score: 28.60  
Proposed Date: 10/15/84  
Final Date: 6/10/84  
NPL Update: No. 2  
Deletion: 9/28/95

## Site Map and Diagram



## The Remediation Process

### Site History:

- ! The Pesses Chemical Co. of Solon, Ohio opened a cadmium reclamation plant in Ft. Worth, Texas in 2/78.
- ! Pesses Chemical ceased operation of its Fort Worth plant on 1/16/81; material still received and stored at the facility.
- ! A grass fire at the Site on 3/1/83, released noxious fumes.
- ! In April through June 1983, the EPA removed 3,400 cubic yards of contaminated topsoil, drums, wastes, and debris.
- ! During July through September 1988, the potentially responsible party (PRP) built a fence around the northern portion of the Site.
- ! In July 1990, the EPA repaired the fence after the Site had been vandalized.

### Health Considerations:

! Elevated levels of cadmium were detected up to 800 feet from the Site.

### Other Environmental Risks:

! The nearest drinking water well is located 1.4 miles south of the Site.

## Record of Decision

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Signed: December 22, 1988

! The Record of Decision (ROD) for the Pesses Site specified In-situ stabilization plus capping, and decontamination of the old warehouse.

<b>Other Remedies Considered</b>	<b>Reason Not Chosen</b>
1. "No Action"	Inadequate protection of human health and the environment.
2. Capping	If the caps are damaged or not maintained properly, risk from potential exposure to the untreated contaminants
3. In-Situ Vitrification	Short-term risks posed and reliability uncertain during implementation.
4. Stabilization & Consolidation	Difficulties and substantial volume increase during implementation.
5. Off-Site Disposal	Remedy merely moves the contaminants to a different location; high cost

## Community Involvement

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! Community outreach was the responsibility of the Texas Natural Resource Conservation Commission(TNRCC).

! Community Involvement Plan: Developed 11/86, revised 7/89.

! Open houses and workshops: 2/85, 12/87, 6/90

! Proposed Plan Fact Sheet and Public Meeting: 11/88

! ROD Fact Sheet: 1/89

! Milestone Fact Sheets: 12/87 (TNRCC), 12/89 (TNRCC), 5/90 (TNRCC), 6/90, 11/93

! Citizens on the mailing list: 53

! Constituency Interest: Low - Site remediation is complete, Close-out Report has been accepted and Site was deleted from the NPL.

! Site Repository: Texas Natural Resource Conservation Commission, 12100 Park 35 Circle, Building D, Room 190, Austin, TX 78753, (512) 239-2920

## Technical Assistance Grant

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- ! Availability Notice: 8/89
- ! Letters of Intent Received: None
- ! Grant Award: N/A

## Contacts

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- ! **Remedial Project Manager (EPA):** Earl Hendrick, 214-665-8519, Mail Code: 6SF-AP
- ! **State Contact:** (TNRCC) Emmanuel Ndame, 512/239-2494, Mail Code 143
- ! **Attorney (EPA):** James L. Turner, 214-665-3159, Mail Code: 6SF-DL
- ! **State Coordinator (EPA):** Karen Bond, 214-665-6682, Mail Code: 6SF-AP
- ! **R6 Ombudsman (EPA):** Arnie Ondarza, 214-665-6790, Mail Code: 6SF
- ! **Prime Contractor:** Arens Corp. (Contractor),  
Roy F. Weston, Inc. Environmental Consultants (A&E)

## Enforcement

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- ! **PRPs Identified:** 54
- ! **Viable PRPs:** Numerous
- ! Consent Decree entered in *U.S. vs. Motorola, Inc. et al.*, C.A. 4:96-CV-226-Y, U.S. District Court for the Northern District of Texas, July 12, 1996 for 100% recovery of response costs.

## Present Status and Issues

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- ! Through the emergency actions to restrict Site access, and the comprehensive actions taken to clean up the soil, sludge, equipment and surface water, the potential threats posed by the Pesses Chemical Company to human health have been eliminated. All cleanup actions were completed in 1992.
- ! The EPA should issue the second Five Year Review Inspection Report in July 2000.

## Benefits

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- ! More than 12,359 cubic yards of soil contaminated with heavy metals were remediated, making the area safer for more than 19,000 people, a hospital, and five schools within one-mile of the Pesses Site.